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Date: January 22, 2004

Sonia V. McVean  
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**PATENT**  
50626.53

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Chun Ho FAN et al.	Art Unit: 2812
Serial No.: 10/643,961	Examiner: Not Assigned
Filing Date: August 20, 2003	
For: IMPROVED BALL GRID ARRAY PACKAGE AND PROCESS FOR MANUFACTURING SAME	

### COMMENTARY RE INFORMATION DISCLOSURE STATEMENT

**Mail Stop DD**  
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Dear Sir:

In accordance with 37 CFR §1.56, and in recognition of their duty to disclose to the United States Patent and Trademark Office relevant information known to be material to patentability, Applicants herewith submit a copy of the prior art 1-20 listed on the attached Information Disclosure Statement (Form PTO-1449). Applicants did not submit a copy of the prior art 21-24 as they are U.S. Applications currently pending. The statement is not a representation that all of the information cited is necessarily effective as prior art against the application.

January 22, 2004

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Applicants respectfully request that the disclosed reference be made of record in the subject application.

Respectfully submitted,

Date: January 22, 2004



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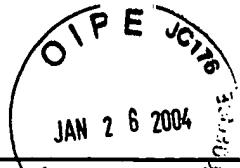
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Substitute for form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/643,961	
			Filing Date	August 20, 2003	
			First Named Inventor	Chun Ho FAN	
			Art Unit	2812	
			Examiner Name		
Sheet	1	of	2	Attorney Docket Number	50626.53

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1	US-2001/0015492 A1	08/2001	Akram et al.		
2	US 2002/0006718 A1	01/2002	Distefano		
3	US-2002/0185734 A1	12/2002	Zhao et al.		
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5	5,172,213	12/1992	Zimmerman		
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20	6,525,421	10/2002	Chia et al.		

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number-Kind Code <sup>4</sup> (if known)	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
					T <sup>5</sup>

Examiner Signature		Date Considered	
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

<sup>1</sup> Applicant unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English-language Abstract is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

